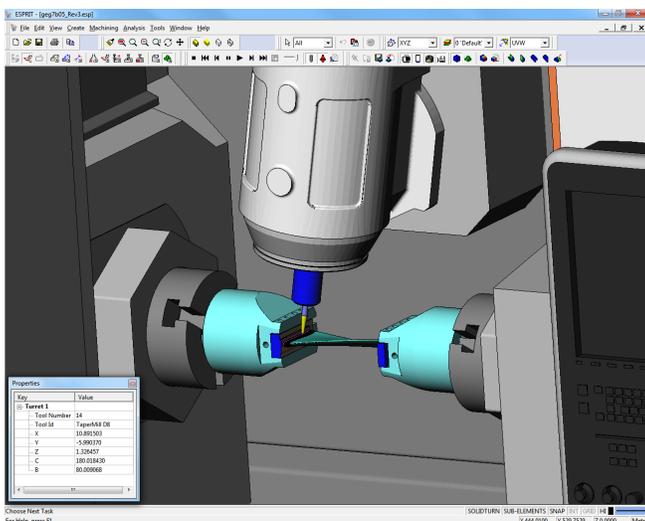
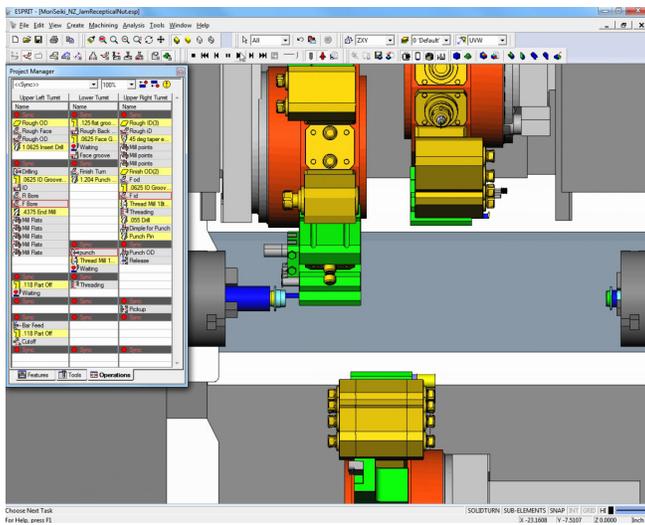


The most powerful *CAM software* ever.



## ESPRIT for Multitasking



### Multitasking Efficiency

Multitasking machine tools with mill, turn, and drill capabilities allow manufacturers to perform simultaneous milling and turning operations, on the front and back of a part, in a single setup. These sophisticated machines represent an enormous potential for profitability, but possess inherent programming challenges due to their complexity.

The right CAM system is a key factor for success in the mill-turn equation. It's a critical choice that determines the ultimate productivity of your machine investment.

### Comprehensive Multitasking Machining

ESPRIT provides an integrated programming environment specifically designed for multitasking, multi-function CNC machine tools. ESPRIT supports any combination of independent, synchronized, and synchronous milling and turning utilizing any configuration of A, B, C, X, Y, and Z axes. ESPRIT's five levels of functionality for 2-5 axis machining fully support your mill-turn needs, including milling with full, simultaneous 3-axis and 5-axis 3D multi-surface solid machining.

Imagine programming your multitasking machine with a complete, pre-configured solution — developed in cooperation with machine tool builders and tested extensively at the factory level. ESPRIT's mill-turn prowess is the ultimate result of a collaboration with machine builders and DP's focused software development for this specific class of machine tools.

Trust ESPRIT to unlock the potential of your multitasking machine.

The most powerful *CAM software* ever.

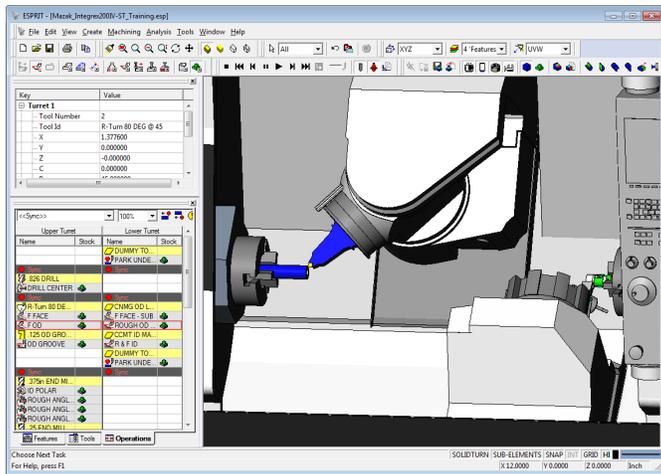
## Turning, Milling, and Drilling Functionality

Unleash the multitasking functionality of your machine with ESPRIT's C and Y mill-turn capability, combining turning, milling, and drilling operations in one G-code program.

Choose from contour milling and profile cutting, pocketing, or a variety of drilling cycles. Perform 2½-axis milling operations on your lathe using Z, X, and C, or Z, X, and Y axes.

Slotting and cross drilling is easy when you can "wrap" pockets, holes and profiles around a rotary C-axis.

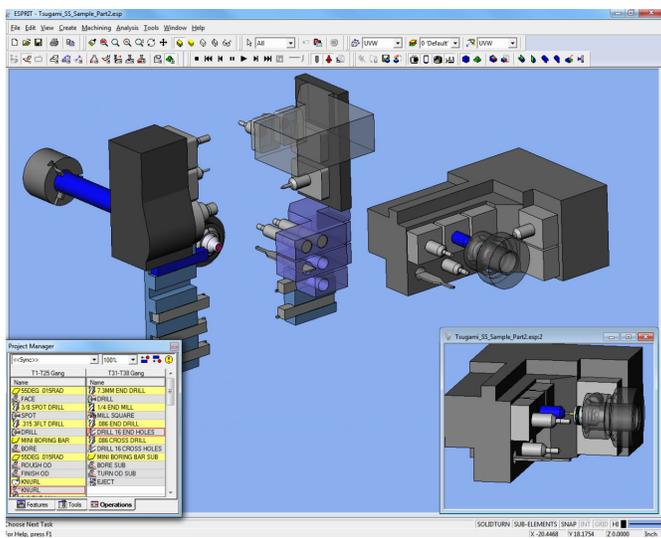
For off-center, Y-axis milling, ESPRIT gives you an extensive set of milling cycles including facing, pocketing, contouring, rest machining, hole making and more. Use these cycles on the C, Y, and B axes to machine features at compound angles on the part face, ID, or OD.



## Flexible B-axis Programming

Capitalize on the power and flexibility of mill-turn machines with B-axis capability for precise 5-axis simultaneous and 5-axis index milling.

ESPRIT's full 5-axis control lets you easily program the non-perpendicular multi-axis tool movements required to machine the intricate features and compound angles of medical components, complex valves, tool holders, oil drilling tools, and the like. ESPRIT provides advanced 5-axis control for its machining cycles including facing, boring, grooving, threading, contouring, pocketing, hole making, and 3D finishing.



## Full Synchronization and Verification

Optimize, synchronize, and verify your multitasking machining with ESPRIT's fully integrated solid simulation.

ESPRIT readily simulates any combination of mill-turn (2-5 axis) and turning cutting cycles, multiple spindles, multiple turrets — up to 22-axes — in one display. View a combined listing of all your milling and turning operations and their associated cycle times. You will have a realistic verification of how the part is machined, eliminating any potential machine crashes along with the ability to move, copy, edit, and synchronize your operations to minimize your cycle times.



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